

SEP 21 2017

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MIN-219656

**MEMORANDUM TO MINISTER****PATHWAY TO CANADA TARGET 1: SCENARIOS FOR REACHING THE  
TERRESTRIAL AND MARINE AQUATIC TARGETS.**

(For Information)

**Context**

- As per your request of August 18, 2017, please find the attached deck and table which describe scenarios for reaching the terrestrial portions of the *2020 Biodiversity Goals and Targets for Canada*. It also provides an up-date on the status of marine area targets.
- Target 1 of *2020 Biodiversity Goals and Targets for Canada* commits to protecting at least 17% of terrestrial areas and inland water by 2020, and 10% of coastal and marine areas through networks of protected areas and other effective area-based conservation measures.
- Canada currently has 10.5% of its terrestrial areas and inland water recognized as protected.

Additional Protected Areas and OECMs  
could see Canada reach 20.4%, but not likely until after 2020.

- The inclusion of Indigenous Protected Conservation Areas (IPCAs) could increase Canada's estimated total protected areas. However, the exact potential contribution of IPCAs is unknown at this time. There will be a better understanding of their potential contribution when the work of the Indigenous Circle of Experts concludes in the fall of 2017.
- Although only 2.9% of Canada's coast and marine areas are currently protected, through a combination of Marine Protected Areas and other effective measures (i.e. fishery closures), DFO expects to meet the 5% of coastal and marine areas by 2017 target and 10% by 2020.
- Departmental officials would be happy to meet with you to discuss these options further.

Stephen Lucas  
Deputy Minister ECCC  
c.c. Martine Dubuc

Daniel Watson  
CEO Parks Canada  
c.c. Rob Prosper

**Attachments (2):**

- Deck: Pathway to Canada Target 1: Scenarios for Reaching the Terrestrial and Marine Aquatic Targets.
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## Scenarios for reaching Canada Target 1:

- 17% target for terrestrial areas
- 10% for marine areas

through networks of protected and conserved areas.

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# Canada Target 1 Update

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- Purpose:
  - To provide scenarios for reaching the 2020 target of 17% of terrestrial areas and inland waters, as well as an update on the status of coastal and marine area targets;
  - To provide an update on the collaborative effort to work towards a coordinated and connected network of protected and conserved areas.



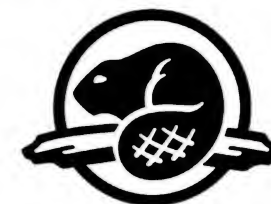


# Canada Target 1

- *2020 Biodiversity Goals & Targets for Canada*
  - 19 targets towards conserving biodiversity
  - Developed in response to Aichi Targets, which were adopted in 2010 by Canada and other Parties to the Convention on Biological Diversity
  - Evidence from studies clear that:
    - Protected areas are the foundation to biodiversity conservation strategies
    - Protected areas need to be connected and integrated into greater landscape to be effective and to maintain ecological integrity.
  - **Target 1** states: *By 2020, at least **17** percent of terrestrial areas and inland water, and **10** percent of coastal and marine areas, are conserved through **networks** of protected areas and other effective area-based conservation measures.*

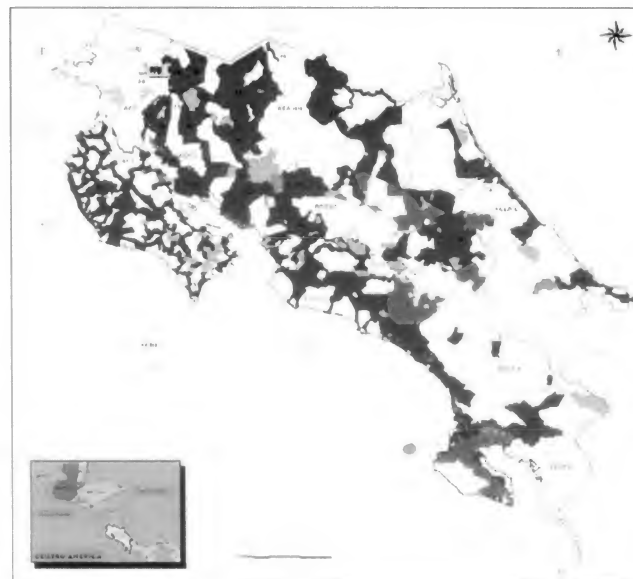
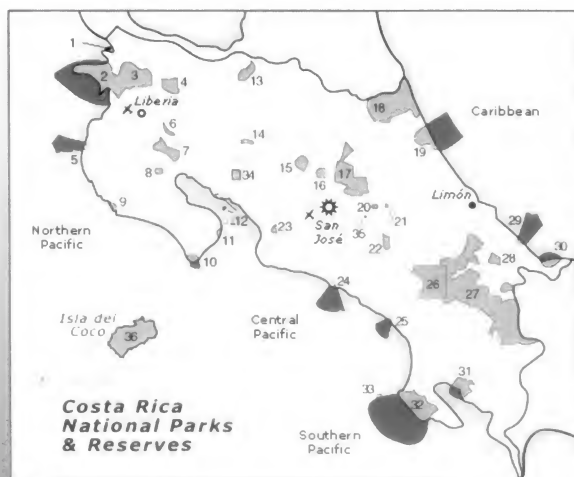






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# Canada Target 1: Not just 17%



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HOW MUCH (> 17%)



## WHERE

Areas important for

- Biodiversity,
- Ecosystem services,
- Ecological representation,
- **Connectivity**



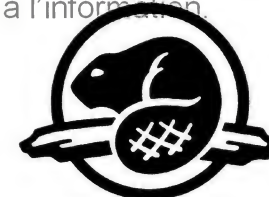
CONSERVATION  
OF  
BIODIVERSITY



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# Opportunity for a Legacy

- The Pathway initiative has assembled a community of FPT Ministers, Indigenous peoples, and other partners, the likes of which has not been seen since the early 1990's. ✓
- The Pathway to Canada Target 1 represents an opportunity for a natural & cultural legacy:
  - By moving from collections of protected and conserved areas to coordinated and connected networks throughout Canada that will serve as the foundation for biodiversity conservation for generations to come; and
  - Through significant Indigenous leadership, contributing to conservation and reconciliation.
- In addition, connected networks of protected areas are needed to:
  - Help mitigate the effects of climate change by sequestering and storing carbon, and to
  - Help plants and animals adapt to the effects of climate change by providing habitat for species whose ranges are changing.

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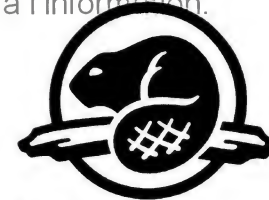
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# Marine target status

- DFO expects to meet the 5% of coastal and marine areas by 2017 target
  - Currently at 1.0%
  - New DFO Marine Protected Areas in 2017 add 0.6%
    - St. Ann's Bank
    - Hecate Strait
    - Queen Charlotte Sound Glass Sponge Reefs
    - Marine refuges and fisheries closures
  - Tallurutiup Imanga (Lancaster Sound) NMCA adds 1.9%
  - Scott Islands National Wildlife Area adds 0.2%
- With other effective measures (fisheries closures), DFO is expecting to announce November that Canada has exceeded its 5% target for 2017.





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# Terrestrial target scenarios

- Canada could protect and conserve:

- Post-2020 total could exceed **20.4%** [plus IPCAs\*]

- \* IPCAs potential gains will be better understood once the work of the Indigenous Circle of Experts (ICE) is close to completion in fall 2017. ICE will be identifying specific IPCA candidate sites as part of their recommendations.

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# Variables Affecting Scenarios

- > 80% of land-base in Canada is provincial, territorial and Indigenous;
    - Incentives and assistance will be needed to reach the 17% target
  - Definitions of protected and conserved areas TBD:
    - Indigenous, other effective areas, Category V & VI parks
    - Pathway process to provide advice by late fall 2017
  - Meaningful engagement takes time
    - Especially to reflect renewed relationship with Indigenous Peoples
  - Other variables
    - Time required for new legislation; e.g., for IPCA's and riparian buffers
    - e.g., Ontario election in 2018
- Therefore, other than establishment initiatives well underway, all other estimates are speculative**



**Pages 10 to / à 11  
are withheld pursuant to sections  
sont retenues en vertu des articles**

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# 1. Federal commitments & possibilities



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- The current commitments include:
  - Edézhíe National Wildlife Area (ECCC)
    - 1 425 000 hectares in the Northwest Territories
    - 1 400 000 hectares in the Northwest Territories
    - Additional territorial park protection of 1 200 000 hectares
    - Negotiations are ongoing
- Other possible federal initiatives:





### 3. Municipal parks and protected areas

- Municipal parks and protected areas are not currently recognized in Canada's protected areas accounting system. For example:
  - Stanley Park in Vancouver
  - Conservation Authority lands in Ontario
  - Meewasin Valley in Saskatoon
- Depending on definitions, it is possible that at least 87,500 hectares could be added







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Pre 2020

## 4. Industry: riparian protection



- Permanently protected buffer zones around lakes, rivers, and streams as identified in forestry management plans.
- Sustainable Forestry Initiative estimates that this could cover an area of 3.2 million hectares (3.2% towards 17%).
- Will depend on definition of OECMs & may require new legislation in some jurisdictions

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## 5. Land Use Plans



- Land claim agreements require the development of land use plan which can
  - Set aside (indigenous) protection or conservation area and
  - Designate large area as Other Effective Conservation Measures
- Gwich'in LUP : 577,800 ha
- Peel River LUP : 5,378,900 ha
- Sahtu LUP : 3,038,00 ha
- Tlicho LUP : 3,822,100 ha
- Some could be completed by 2020 but not all
- Total represent over 14 million hectares (1.45% of Canada)



Pre 2020

## 6. Indigenous protected & conserved areas



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- Recommendations of the Indigenous Circle of Experts will provide more clarity on the path forward for IPCAs, informed by the insights of Indigenous conservation leaders from across Canada.
- Upcoming regional gatherings in Yellowknife and Winnipeg will provide perspectives on IPCAs from representatives in provinces and territories in northern and central Canada.
- Interim findings of the Circle are anticipated in late September

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## 7. Privately conserved areas



- Small but very important areas for biodiversity conservation
  - Due to conservation of SAR in these areas and productive landscapes
  - Critical contribution to connectivity
- Efforts ongoing now to incorporate existing private conservation areas into the accounting system.
- Estimated to be 639,214 hectares (0.06% of Canada)





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